

Situational Summary

The lack of winter rain and snowfall has resulted in extremely dry conditions in many parts of the State. Reservoir levels are down significantly from where they should be on average for this time of year. If conditions continue without substantial rainfall, severe impacts to municipal water supplies, agriculture (plants and livestock) and firefighting capabilities are likely in store for the State for several months. Negative economic impacts will also result. The Governor has established a Drought Task Force to prioritize State actions needed to address these conditions. Governor Brown proclaimed a State of Emergency and directed state officials to take all necessary actions to prepare for these drought conditions. The State Operations Center (SOC) is activated to implement objectives in support of the Governor's priorities.

Many local jurisdictions have enacted water conservation measures. The Office of Emergency Services is in close contact with counties and local officials to monitor the water conditions, agriculture and economy.

As a result of the drought DWR has informed the customers of the State Water Project (SWP) that deliveries in 2014 will be discontinued if current dry conditions persist. Deliveries to agricultural districts with long-standing water rights in the Sacramento Valley may be cut 50 percent (the maximum permitted by contract) depending upon future snow survey results. Storage in key reservoirs now is lower than at this time in 1977, one of the two previous driest water years on record. While additional winter storms may provide a limited boost to reservoir storage and water deliveries, it would need to rain and snow heavily every other day from now until May to get us back to average annual rain and snowfall. The allocation may change depending on future storm events.

Drought Impacts

- 1. Drinking Water (updated 2/18/14)
 - Individual households on wells and small water districts may have immediate and increasing vulnerability.
- 2. Fires (updated 2/24/14)
 - Fire risk is high and will increase as the drought worsens. CALFIRE reports that this current fire activity is well above the year-to-date average of 172 fires, burning 509 acres. 61 new fires were reported over the past week.
- 3. Economic Impacts(updated 2/18/14)
 - Winter recreation businesses have taken a huge hit economically, due to the lack of snow, affecting ski resorts, snowmobile sales and repairs, lack of snowmobilers, cross country skiers, and families out for snow sledding.
 - Lack of any spring runoff will affect the river rafting trade, kayakers, fishing, and in turn affect restaurants, motels, fuel sales, hardware & grocery stores.
 Without the water to release in the creeks there will be a negative impact to fish spawn.



Drought Impacts (continued)

- 5. Agricultural Impacts (updated 2/18/14)
 - California's current drought conditions will have significant negative agricultural, cultural, social and economic impacts. Limited hay production and increased salt build up in the soil will severely limit agricultural production by ranchers and farmers throughout the state resulting in fewer jobs and less revenue.
- 6. Community Impacts (updated 2/18/14)
 - As a consequence of reduced agricultural production and impacts to other economic sectors, laborers from those sectors will be negatively impacted.
 Needs such as food and housing will become critical especially in agricultural areas.



Federal Resources/Actions

- On Friday, water managers from the U.S. Bureau of Reclamation announced initial 2014 water allocations to those who receive water from the federal Central Valley Water Project. These allocations include 0% projected allocation to agriculture users south of the Delta, similar to the Department of Water Resources allocation in late January, which reflect historic lows in available water. The Bureau will update these allocations in the coming months based on changes in precipitation and drought conditions.
- The Bureau of Reclamation also highlighted last week longer term actions that will increase the reliability and sustainability of the federal water system in California. These federal actions align with California state government's recently released Water Action Plan.
- Federal agencies, led by the U.S. Department of Food and Agriculture, are working
 with state agency counterparts to prepare the federal government's emergency aid
 that was announced last week. USDA and the California Department of Food and
 Agriculture are currently conducting outreach meetings throughout the state to inform
 communities of this aid.

State Resources

Governor Brown, Senate Pro Tem Darrell Steinberg and Assembly Speaker John Pérez announced emergency legislation that provides funding for shovel-ready water projects and emergency assistance to communities hurt by the drought. The proposal also streamlines state rules to enable more water recycling, strong enforcement of water rights and housing assistance to migrant workers. Funding in the bill includes:

- \$549 million for infrastructure grants to increase storm water capture and use of recycled water, improve management of groundwater storage, and strengthen water conservation.
- \$40 million from the proceeds of the state's cap-and-trade program to help local water agencies improve their water and energy efficiency, help farmers upgrade irrigation and water pumping systems to reduce water and energy use, and to enable retrofits in commercial and residential buildings that improve water and energy efficiency.
- \$25 million for emergency food assistance in areas hard-hit by the drought.
- \$21 million for housing-related assistance to drought victims.
- \$15 million to help communities that face drinking water shortages access alternative water supplies.
- \$14 million to improve groundwater management across the state, including help to disadvantaged communities with groundwater contamination exacerbated by the drought.



State Advance/Strategic Planning

State actions looking forward for 30, 60,120 days ahead will focus on:

- State and federal funding and legislative actions.
- Agricultural support, including USDA programs and other assistance to farmers.
- Actions to address water system operations and water supply, including curtailments, transfers, delta emergency actions.
- Actions to assess and assist with emergency needs related to drinking water.
- Assessment of hydropower generation, and any direct or indirect impacts to the electricity supply.
- Actions to address long-term habitat preservation.
- Community support needs and delivery of needed services such as food, rental/housing assistance, utilities assistance and support to non-profit organizations.
- Public health and safety issues such as increased fire threat, security threats, and activation of contingency plans.



Current Missions

1. 2014-Inland-2185 Tuolumne County does not have a water master or any alternative resources to assist in determining the health of their ground water system. The County is requesting state agency expertise to assist with this determination.

CDPH Drinking Water Critical Systems

Information as of February 14, 2014

System Name	County	District/LPA	Location
Camp Condor	Kern	Tehachapi	Taft, CA
Lake of the Woods MWC	Kern	Tehachapi	Frazier Park, CA
West Goshen MWC	Tulare	LPA	Goshen, CA
Whispering Pines Apts	Mariposa	Merced	Mid-Pines, CA
City of Willits	Mendocino	Mendocino	Willits, CA
Redwood Valley CWD	Mendocino	Mendocino	Redwood Valley, CA
Brooktrail Township CSD	Mendocino	Mendocino	Willits, CA
Washington Ridge Conservation Camp	Nevada	Valley	Nevada City, CA
Ophir Gardens	Placer	LPA	Auburn, CA
River Highlands CSD	Yuba	LPA	Gold Village Subdivision Smartsville, CA

Notes:

LPA = Local Primary Agency Usually a County Environments Health Department

CWS = Community Water System

CWD = County Water System

CSD = Community Service District

MWC = Mutual Water Company



CDFA Information Sessions on Drought Resources

California Department of Food and Agriculture and the U.S. Department of Agriculture will be holding informational sessions on drought resources for farmers, ranchers and farmworkers in several locations throughout the state

Date	Time	Venue	Address	City
2/25/2014	6 p.m 8 p.m.	Ventura Co. Agricultural Commissioner's Office	555 Airport Way, Suite E	Camarillo
2/26/2014	6 p.m 8 p.m.	San Diego Co. Farm Bureau	1670 E. Valley Parkway	Escondido

County Drought Task Force Meetings

County Drought Task Force Upcoming Meetings								
Inland Region								
County	Drought Task Force Meeting							
Butte								
Madera								
Modoc								
Nevada	2/28/2014							
Placer	3/5/2014							
Plumas	2/24/2014							
Sacramento								
San Joaquin								
Siskiyou								
Stanislaus								
Sutter	3/13/2014							
Tehama								
Tuolumne								
Coastal Region								
County	Drought Task Force							
Mendocino	2/26/2014							
San Mateo								
Southern Region								
County	Drought Task Force							
San Luis Obispo	3/4/2014							
Santa Barbara	3/12/2014							



County Updates

Mendocino:

- Drought Task Force members are participating in local briefings in Mendocino County at Willits, Ukiah and Lake Mendocino.
- Redwood Valley County Water District (RVCWD) submitted a Prop 84 funding project request to California Department of Public Health (CDPH) Head Quarters. The total project cost is estimated to be \$400,000, and they are asking for the maximum amount of Prop 84 funding for this project of \$250,000. The project calls for building a 6-inch intertie between the RVCWD system and Calpella County Water District. The intertie and associated pump could provide up to 300 gallons per minute (gpm) to RVCWD's approximately 4,000 customers (1,400 residential connections). However, it will not cover the cost to upgrade the Calpella/Millview intertie which will be needed to reach the full capacity of the intertie. The water system is still looking for funding/alternatives for this part of the project. The funding agreement, if approved, will require that RVCWD is no longer supplying agriculture and that RVCWD has mandatory conservation levels for their residential customers. It will also require that they have contracts in place with Calpella County Water District to transfer the water and with another community water system (with adequate water rights) to supply the water before fund reimbursements are given.
- Water districts have reported issues with DFW/SWRCB/DWR flow/variance permits, requiring them to release more water than they want to release.
- The City of Willits reported that they were applying for an additional \$500,000 from USDA.
- Cal OES is continuing to coordinate the situation in Mendocino County.

County Updates (continued)

San Luis Obispo County:

- The area of rural San Luis Obispo that includes the County Operational Center, Camp San Luis and thus CSTI, CDCR California Men's Colony, and Cuesta College is facing water supply shortages. Because the water flows through CDCR pipelines would need to be installed to connect to other water systems. The expense for this project is estimated to be up to \$1,000,000. State Assembly Member Katcho Achadjian's office, CDCR, and the County will be discussing the situation.
- Cambria Community Services District (CSD) could run out of water within a few months. Cambria CSD is working on options for alternate water supplies which could include a desalination facility on San Simeon Creek. Another option may include working with State Parks on the use of two older wells and the use of wells not used in many years due to chemical concerns.
- The community of San Simeon, with water service by the San Simeon Community Services District, is showing elevated levels of salt in their potable water source. Distribution of recycled water has begun from the CSD's recycled water system. No use of potable water is allowed for irrigation purposes.

County Updates (continued)

Tuolumne County:

- The County needs to evaluate the ground water systems that support 136 small water agencies and
 private well and septic owners that are not part of the Tuolumne Utilities District System (TUD). The
 County does not have a water master or other expertise to assist in determining the health of our ground
 water system. The County is requesting state agency assistance with this determination.
- The Tuolumne Utilities District (TUD) has requested 2300 Acre Feet (AF) transfer from the New Melones
 reservoir to supplement their current water needs. A conference call was conducted with Inland REOC,
 SOC, Tuolumne County UD, Tuolumne EOC and the U.S. Bureau of Reclamation (USBR) to discuss the
 County's concerns. Local solutions are being exhausted first. Coordination is continuing with TUD.

Santa Barbara County

- Santa Barbara County has re-ratified their drought proclamation originally passed January 21, 2014.
- Santa Barbara County and the National Weather Service upgraded the County drought status to D4 (exceptional drought). Community Outreach/ Public information and information gathering continue. Montecito Water District continues to mandate 30% reduction in water usage by all customers. The Montecito Water District will run out of water by July. Cachuma Tecolote Tunnel hydro pumping lacks necessary electrical infrastructure for long term pumping sustainability. Attempting to identify and establish long term permanent solution for Tecolote Tunnel design shortfalls. California Department of Water Resources reduced Santa Barbara County's state water allotment from 5% to 0%. Santa Barbara County is exploring resolution options in response to the reduction.

Weather Synopsis by Region February 24, 2014

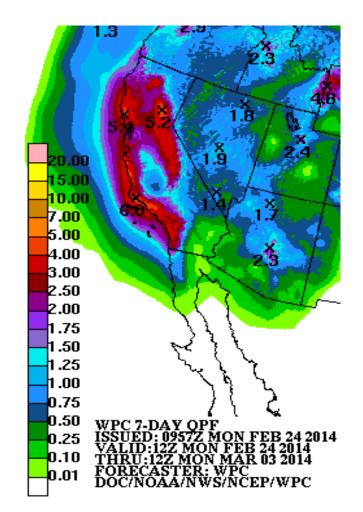
Northern & Central California

Eureka Weather:

High pressure over the region will remain across Northwest California. A storm system will impact the region late Tuesday with a cooler and wetter pattern continuing into the weekend.

San Francisco Weather:

The workweek will start off with dry conditions and warm afternoon temperatures similar to this past weekend. For the latter half of the week, a series of storm systems will impact the San Francisco Bay Area region and bring widespread rainfall, gusty winds and cooler temperatures.





Weather Synopsis by Region February 24, 2014

Central California and Southern San Joaquin Valley

Sacramento Weather:

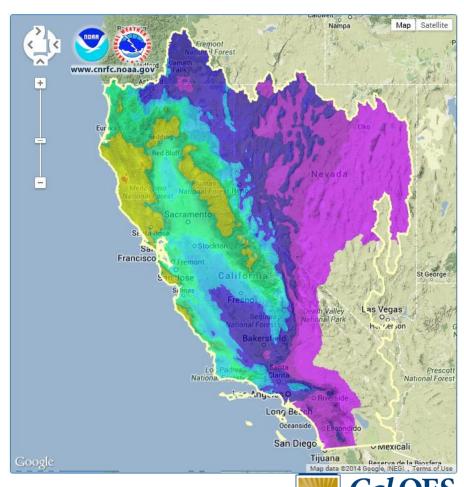
Dry and mild weather will continue across
Northern California through Tuesday, then a
change to a wetter and colder weather pattern will
take place as early as Wednesday and continue
through at least next weekend.

Hanford Weather:

A ridge of high pressure over the West Coast will allow for dry and mild conditions through the first half of the week. By Wednesday the first of two weather systems will move into the Central Valley bringing rain and higher elevation snow. The second system will move into the area on Friday with better chances of precipitation across the region and even a few thunderstorms.

California Precipitation Graphic

72 hour (2/24/14 - 2/26/14)



Weather Synopsis by Region February 24, 2014

Southern California

Los Angeles Weather:

Other than some night-through-morning low clouds and fog along the coast, a ridge of high pressure will result in fair weather through Tuesday. On Wednesday, the first of two storm systems will bring the chance of rain to the Los Angeles area. Fair weather will briefly return on Thursday then a second and more significant storm system will impact the region on Friday and Saturday.

San Diego, Western Riverside, and Southwestern San Bernardino Weather:

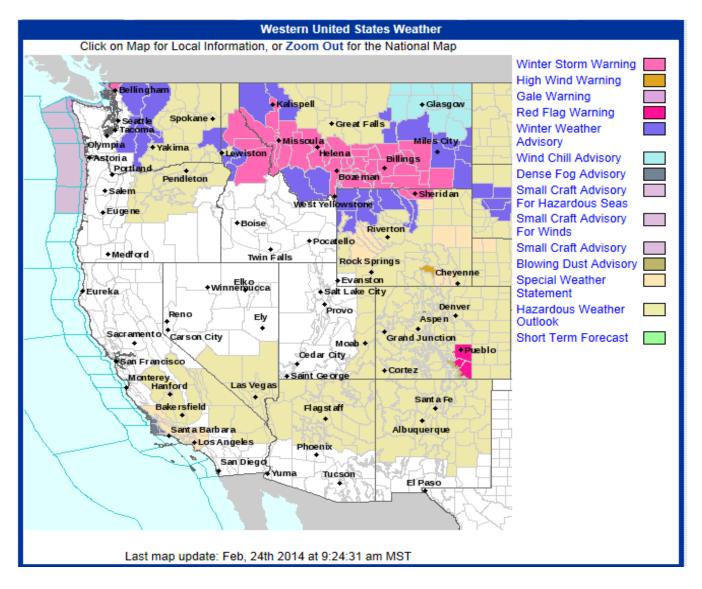
A developing low pressure system over the Eastern Pacific Ocean will move slowly toward the West Coast bringing a slow cooling trend through Wednesday with slow deepening of the marine layer. For late Wednesday night and early Thursday, a low pressure system moving inland through California will bring a chance of light precipitation along and West of the mountains with gusty west winds in the mountains and deserts. For Friday through next weekend, a stronger low pressure system is expected to bring cooling and strong gusty winds with periods of locally heavy precipitation.

Southeast California Weather:

The first of two storm systems will impact Southeastern California late Wednesday through Thursday afternoon, bringing windy conditions and good chances of precipitation to the Sierra of Inyo County. Along with the precipitation, downslope winds are forecast to impact the Sierra and Owens Valley. A significant change in the weather is then forecast for the upcoming weekend as the strong Pacific storm moves inland over the Southeastern California bringing much cooler temperatures and good chances for showers and mountain snow above 5000 – 6000 feet



State Weather Map







National 7-day Significant Fire Potential Outlook



Legend

Fuel Dryness



High Risk Events

California - North Area 7 Day Significant Fire Potential

Predictive Service Area	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	Feb 20	Feb 21	Feb 22	Feb 23	Feb 24	Feb 25	Feb 26	Feb 27
NC01 - North Coast								
NC02 - Mid Coast								
NC03A - Bay Area-Marine								
NC03B - Diablo/Santa Cruz Mtns								
NC04 - Northwestern Mtns								
NC05 - Sacramento Valley								
NC06 - Northeast CA								
NC07 - Northern Sierra								
NC08 - East Side								

Weather

High pressure will take over the region's weather pattern today thru the weekend. Afternoon temperatures are expected to warm by 10 degrees in many areas. There will be a few periods of light NE/Offshore winds thru Sunday morning Conditions are expected to be dry into the middle of next week. .Winds then shift to the SW-W late Sunday as the high moves east of the region. This will begin a gradual cooling trend and then set the stage for a return to wet weather by late next week as a series of Pacific storm systems are expected to move onshore across CA.

Fuels/Fire Potential

Fuels in all PSAs should remain in the Moist category thru the 7-day period in spite of some drying under high pressure and light NE/Offshore winds early in the period. Recent rains have begun a new green grass crop in many areas below 3000 ft.

http://gacc.nifc.gov/oncc/predictive/weather/7Day.pdf



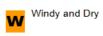


Legend

Fuel Dryness



High Risk Events





Missing Stations

Devore

California - South Area 7 Day Significant Fire Potential

Issued: Monday, Feb 24, 2014 Parameters: None 💟

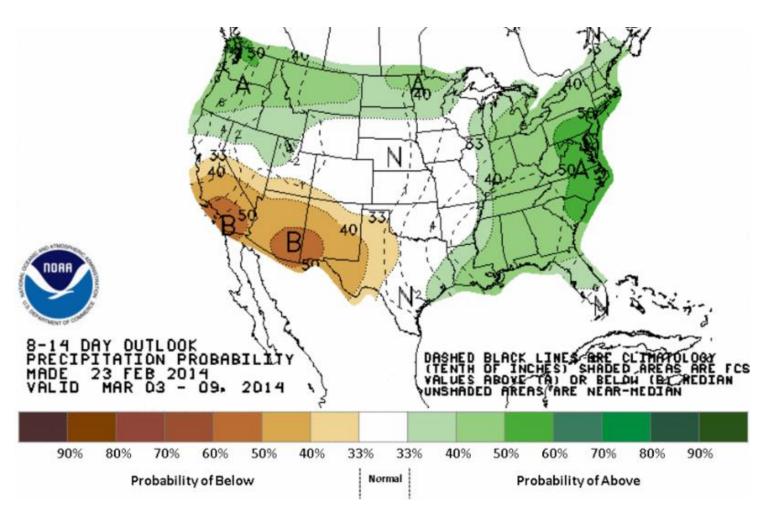
Predictive Service Area	Sun Feb 23	Mon Feb 24	Tue Feb 25	Wed Feb 26	Thu Feb 27	Fri Feb 28	Sat Mar 1	Sun Mar 2
SC01 - Eastern Sierra								
SC02 - Central Sierra								
SC03 - Southern Sierra								
SC04 - Sierra Foothills								
SC05 - Central Valley								
SC06 - Central Coast Interior								
SC07 - Central Coast								
SC08 - South Coast								
SC09 - Western Mountains								
SC10 - Eastern Mountains								
SC11 - Southern Mountains								
SC12 - Lower Deserts								
SC13 - Eastern Deserts								
SC14 - Central Mojave								
SC15 - Upper Deserts								
SC16 - Northern Deserts								

Weather

A weak ridge of high pressure over California will cause temperatures to remain around 10 degrees above normal through Tuesday, with mid 50s to mid 60s in the mountains and 70s in the valleys. Minimum humidity will continue to be mainly between 15% and 30% away from the coast through Tuesday. Temperatures will cool 5 to 10 degrees across most of the region Wednesday as the ridge shifts eastward and a Pacific trough approaches the West Coast. This trough will bring showers to Central California by mid to late afternoon and to Southern California overnight. Most locations over Central California will receive less than an inch of rainfall, while Southern California is expected to get less than a quarter inch with this trough. A weak ridge of high pressure will build into California Thursday bringing dry conditions to the region by mid morning. A strong storm will bring 1 to 2 inches of rainfall to the lower elevations and 2 to 4 inches of rainfall to the foothills and mountains Friday morning through Saturday night. Zonal flow will keep scattered light showers continuing over much of the region Sunday. The snow level will be around 6,000 feet Wednesday afternoon through this weekend. There will also be periods of strong south to west winds, especially across the mountains and deserts, Wednesday afternoon through this weekend. Temperatures will be a little below normal Thursday through this

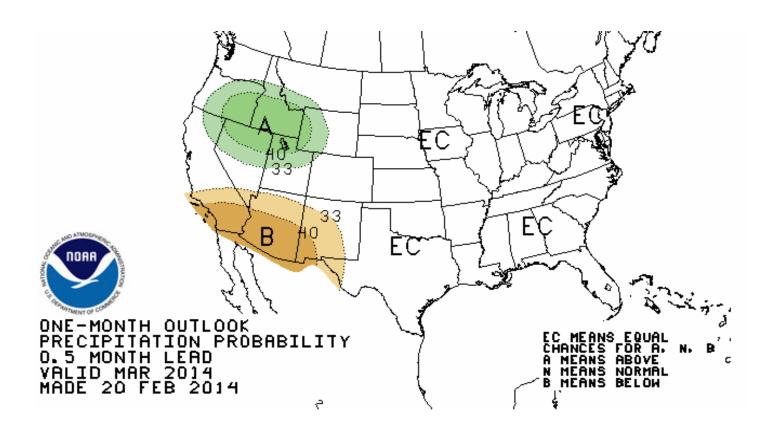


8-14 Day Precipitation Probability Outlook for March 3 – March 9, 2014



http://www.cpc.ncep.noaa.gov/products/predictions/814day/

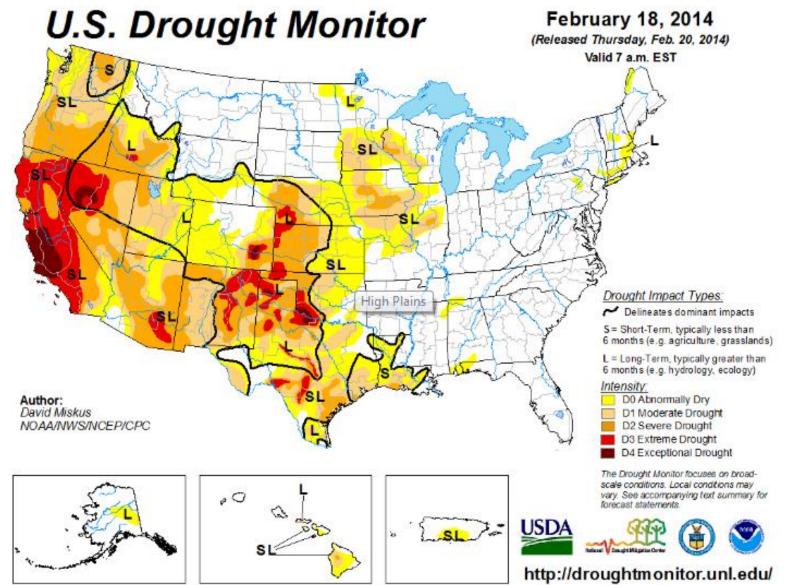
February Precipitation Probability Outlook



There is a greater chance for below normal precipitation in Southern California for the month of March.

http://www.cpc.ncep.noaa.gov/products/predictions/30day/



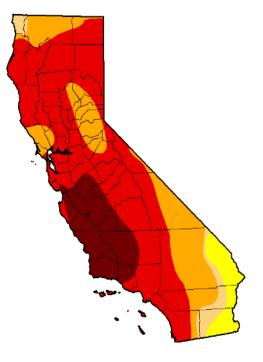


http://droughtmonitor.unl.edu/



Weather Summary - Current Drought Conditions in California

U.S. Drought Monitor California



February 18, 2014

(Released Thursday February 20, 2014)
Valid 7 a.m. Eastern

Statistics type: Traditional (D0-D4, D1-D4, etc.) Categorical (D0, D1, etc.)

Drought Condition (Percent Area):

Week	Date	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2/18/2014	0.00	100.00	94.54	90.82	68.30	14.62
Last Week	2/11/2014	1.43	98.57	94.54	91.59	60.94	9.81
3 Months Ago	11/19/2013	2.61	97.39	96.00	84.12	27.59	0.00
Start of Calendar Year	12/31/2013	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year	10/1/2013	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago	2/19/2013	15.45	84.55	47.18	23.72	0.00	0.00

View More Statistics

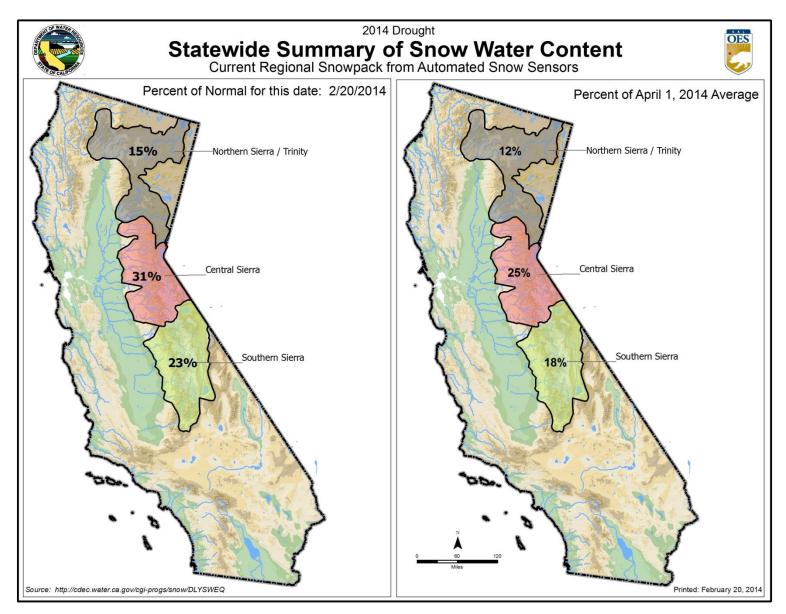
	Int	ensity:						
		D0 -	Abnormally Dry		D3 - Extreme Drought			
	D1 - Moderate Drought				D4 - Exceptional Drought			
D2 - Severe Drought								
	The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See							
	accompanying text summary for forecast statements.							

The D4 (Exceptional Drought) is the worst drought category on the Drought Monitor and the first time it's been used in California since this monitoring **system started in 2000.** The degradation was made due to historically low rainfall amounts so far this winter, long-term precipitation deficits stretching several years, and a growing number of increasingly significant drought impacts. In addition, 61% of California is now covered by D3/D4 conditions.

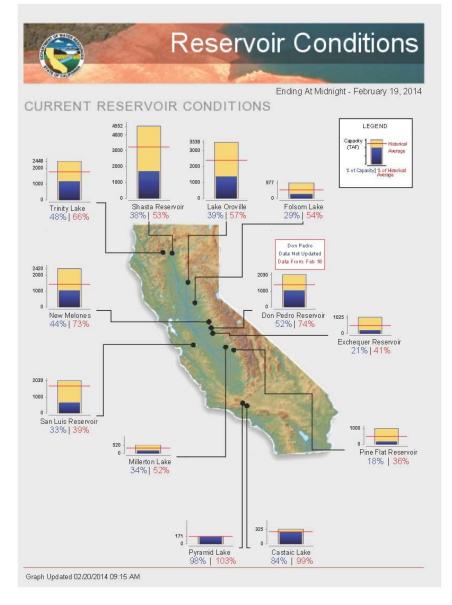
Note: Updated Weekly











Reservoir Levels

Many parts of California -- including Sacramento and Los Angeles -- marked calendar year 2013 as the driest on record. These extremely dry conditions follow two previous dry years statewide.

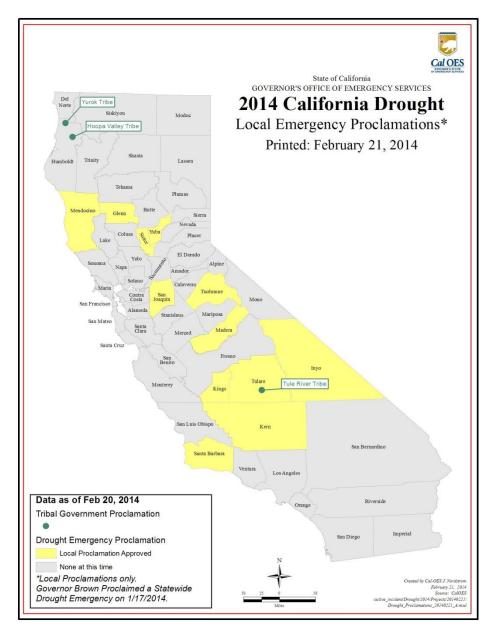
Storage in the reservoirs that typically help California cope with dry weather are well below average for this time of year.

River levels are low around the state. Along the North Coast, the Russian River, and the upper Sacramento River, levels are at their lowest points ever for this time of year.

Some water districts with a diversified portfolio of water sources and ample storage -- such as the Metropolitan Water District of Southern California, which serves 19 million people -- are prepared to weather a third dry winter.

Farmers who depend heavily on the State's two biggest water projects, the Central Valley Project and State Water Project, face minimal and uncertain supplies.





Proclamations

State

1/17/14 Governor Edmund G. Brown proclaimed a State of Emergency

Counties

Glenn (1/22/14)

Inyo (1/29/14)

Kern (1/14/14)

Kings (1/14/14)

Madera (1/17/14)

Mendocino (1/7/14)

San Joaquin (1/28/14)

Santa Barbara (1/17/14)

Sutter (2/11/14)

Tulare (2/4/14)

Tuolumne (2/4/14)

Yuba (2/18/14)

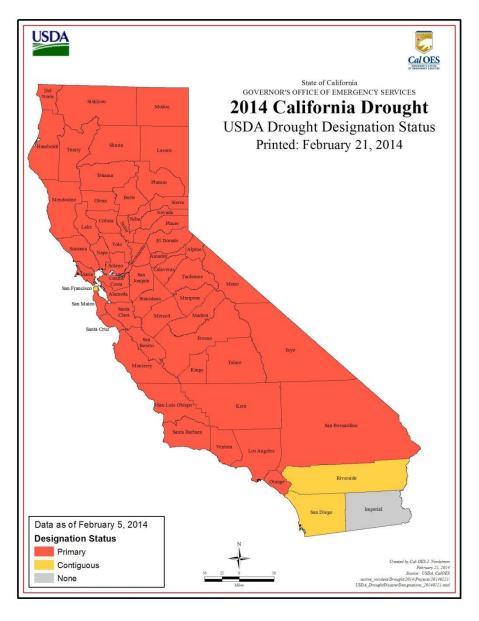
Tribal

Hoopa Valley Reservation (1/20/14) Yurok Reservation (1/29/14) Tule River Indian Tribe(1/30/14)

<u>Federal</u>

None





USDA Disaster Designation

The United States Department of Agriculture (USDA) issued a secretarial disaster designation identifying 54 counties in California as primary natural disaster areas due to drought and 3 contiguous counties. This means that the only county in California that has not received a primary or contiguous county designation for 2014 is Imperial.



USDA Disaster Designation – Individual Assistance

